



DAIRY OPERATIONS INPUTS/OUTPUTS WORKSHEET CONTINGENCY PLANS FOR MOVEMENTS

PURPOSES

- 1** Evaluate the normal frequency of inputs/outputs.
- 2** Consider options that would keep movements “off-farm” or outside the Line of Separation* (LOS) as much as possible.
- 3** Decide if less frequent movements to care for cattle could be part of your contingency plan to decrease the risk of disease entry or spread by vehicles, equipment and other items.
- 4** Describe contingencies in your Secure Milk Supply enhanced biosecurity plan.

WHY

Items moving on and off the dairy are essential for business. They can also spread disease unless biosecurity steps are in place.

In a foreign animal disease outbreak, protecting cattle from exposure is critical. This may involve setting up a cleaning and disinfection (C&D) station for all vehicles, equipment and deliveries crossing the LOS.

C&D is time and resource intense. Design a contingency plan that minimizes the number of vehicles, equipment, deliveries, and removals that must undergo C&D. As movements and travel paths are planned, this helps determine the most practical LOS placement to protect cattle.

This worksheet can help you create your labeled premises map in your enhanced biosecurity plan.

EXAMPLES

Could you modify the travel path to keep the item/vehicle “outside” the LOS? Examples:

- Have a dedicated path for the milk truck, not crossing paths with on-farm vehicles/animals.
- Move the garbage bin to the edge of the LOS so the truck can pick it up without crossing.
- Auger grain across the LOS into a farm wagon that remains inside the LOS.

Could the movement be less frequent? Examples:

- Be able to feed calves for 2-3 days instead of daily pickups.
- Expand manure storage within environmental regulations to decrease need to haul/apply.
- Receive two months’ worth of bedding instead of one.

Describe these steps in your enhanced biosecurity plan.

* Line of Separation (LOS): a clearly identified boundary around or within a premises to separate off-farm traffic from on-farm movements of vehicles, people and animals to limit movement of virus into areas where susceptible animals can be exposed.

	INPUTS/OUTPUTS	NORMAL FREQUENCY	STAY OUTSIDE LOS?	CONTINGENCY PLAN FREQUENCY
ANIMALS AND ANIMAL PRODUCTS	Milk truck/tanker	2+ tankers/day Daily Every other day	Yes - describe: <input type="text"/> No - will C&D	No change Fewer tankers/day Every other day
	Incoming cattle (weaned calves, bred heifers, pre-fresh cows, bulls, breeding, shows/exhibitions, etc.)	Daily Weekly Monthly Annually Does not occur	Yes - describe: <input type="text"/> No - will C&D	No change Few days (2-6 days) Bi-weekly Monthly Yearly
	Outgoing cattle (calves, bred heifers, dry cows, market, breeding, shows/ exhibitions, etc.)	Daily Weekly Monthly Annually Does not occur	Yes - describe: <input type="text"/> No - will C&D	No change Few days (2-6 days) Bi-weekly Monthly Yearly
	Semen delivery or shipment	Daily Weekly Monthly Does not occur	Yes - describe: <input type="text"/> No - will C&D	No change Few days (2-6 days) Bi-weekly Monthly Yearly
	Embryo harvest or implantation	Daily Weekly Monthly Does not occur	Yes - describe: <input type="text"/> No - will C&D	No change Few days (2-6 days) Bi-weekly Monthly Yearly
	Dead animal removal	Daily Weekly Monthly Annually Does not occur	Yes - describe: <input type="text"/> No - will C&D	No change Few days (2-6 days) Bi-weekly Monthly Yearly Compost on site
	Manure removal	Daily Weekly Monthly Annually Does not occur	Yes - describe: <input type="text"/> No - will C&D	No change Few days (2-6 days) Bi-weekly Monthly Yearly Compost on site

	INPUTS/OUTPUTS	NORMAL FREQUENCY	STAY OUTSIDE LOS?	CONTINGENCY PLAN FREQUENCY
FEEDSTUFFS, BEDDING AND COMPOST	Feed commodity delivery (bulk ingredients, bagged feed, liquid feed, others - list below) <input type="text"/>	Daily Every other day Weekly Bi-weekly Monthly	Yes - describe: <input type="text"/> No - will C&D	No change Few days (2-6 days) Bi-weekly Monthly
	Feedstuffs stored on one premises with livestock, delivered to another (silage, hay, grain)	Daily Every other day Weekly Monthly Annually Does not occur	Yes - describe: <input type="text"/> No - will C&D	No change Few days (2-6 days) Bi-weekly Monthly Annually
	Total or partial mixed ration made on one premises, delivered to another	More than once a day Daily Every other day Does not occur	Yes - describe: <input type="text"/> No - will C&D	No change Few days (2-6 days) Bi-weekly
	Feed harvest (silage, hay, grain)	Monthly Seasonally Annually	Yes - describe: <input type="text"/> No - will C&D	No change Seasonally Annually
	Bedding and composting inputs	Daily Weekly Monthly Annually Does not occur	Yes - describe: <input type="text"/> No - will C&D	No change Few days (2-6 days) Bi-weekly Monthly Annually
DELIVERIES AND REMOVALS	Fuel delivery	Daily Weekly Monthly Bi-monthly	Yes - describe: <input type="text"/> No - will C&D	No change Few days (2-6 days) Bi-weekly Monthly Annually
	Propane delivery	Daily Weekly Monthly Bi-monthly	Yes - describe: <input type="text"/> No - will C&D	No change Few days (2-6 days) Bi-weekly Monthly Annually
	Mail/package deliveries (supplies, pharmaceutical)	Daily Weekly Monthly Annually	Yes - describe: <input type="text"/> No - will C&D	No change Few days (2-6 days) Bi-weekly Monthly Annually
	Garbage and recycling removal	Daily Weekly Monthly Does not occur	Yes - describe: <input type="text"/> No - will C&D	No change Few days (2-6 days) Bi-weekly Monthly

	INPUTS/OUTPUTS	NORMAL FREQUENCY	STAY OUTSIDE LOS?	CONTINGENCY PLAN FREQUENCY
PERSONNEL	Farm personnel/employees from off-site	Daily	Yes - describe: <input type="text"/> No - biosecure entry steps	No change
	Visitors that are not service providers	Daily Weekly Monthly Annually Does not occur	Yes - describe: <input type="text"/> No - biosecure entry steps	No change Exclude
	Service providers with animal contact (consulting/herd veterinarian, AI/ET technicians, milk testers, nutritionist, etc.)	Daily Weekly Monthly Annually	Yes - describe: <input type="text"/> No - biosecure entry steps	No change Few days (2-6 days) Bi-weekly Monthly Annually
	Service providers accessing animal areas (milking equipment, electricians, maintenance, pest control – insects, birds, rodents, etc.)	Daily Weekly Monthly Annually	Yes - describe: <input type="text"/> No - biosecure entry steps	No change Few days (2-6 days) Bi-weekly Monthly Annually
OTHER	Grounds keeping equipment entering premises (skid loaders, mowers, snow removal)	Daily (seasonal) Weekly (seasonal) Months - list: <input type="text"/>	Yes - describe: <input type="text"/> No - will C&D	No change Few days (2-6 days) Bi-weekly Monthly On-site equipment
	Other - list below: (e.g., access to break room, maintenance shop, residence, etc.) <input type="text"/>	Daily Weekly Monthly Annually	Yes - describe: <input type="text"/> No - will C&D	No change Can exclude
	Other - list below: (e.g., farm store, hay/produce/fruit/nut sales/agritourism, etc.) <input type="text"/>	Daily Weekly Monthly Annually Seasonally	Yes - describe: <input type="text"/> No - will C&D	No change Can exclude